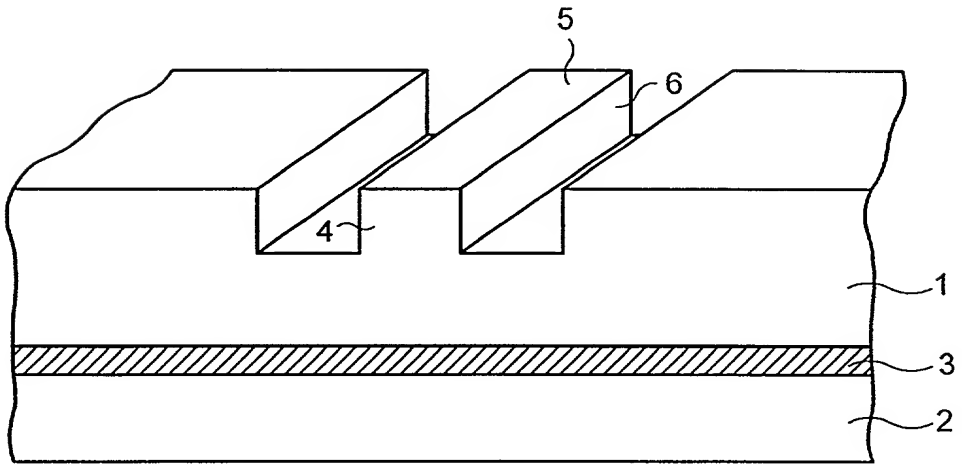

FIG. 1

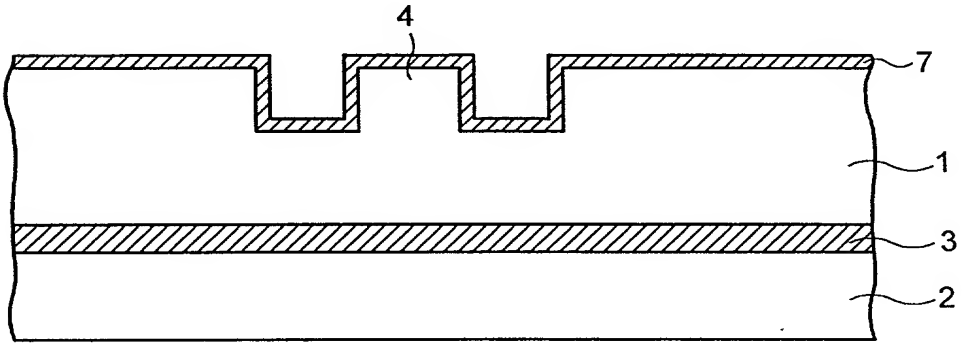

FIG. 2

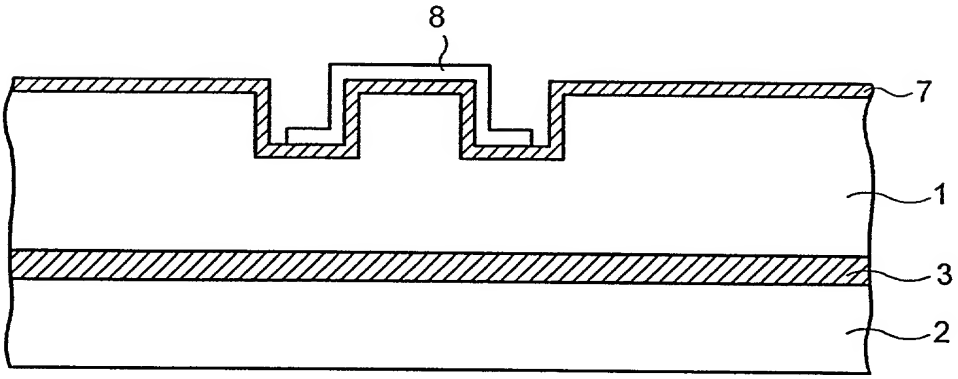

FIG. 3

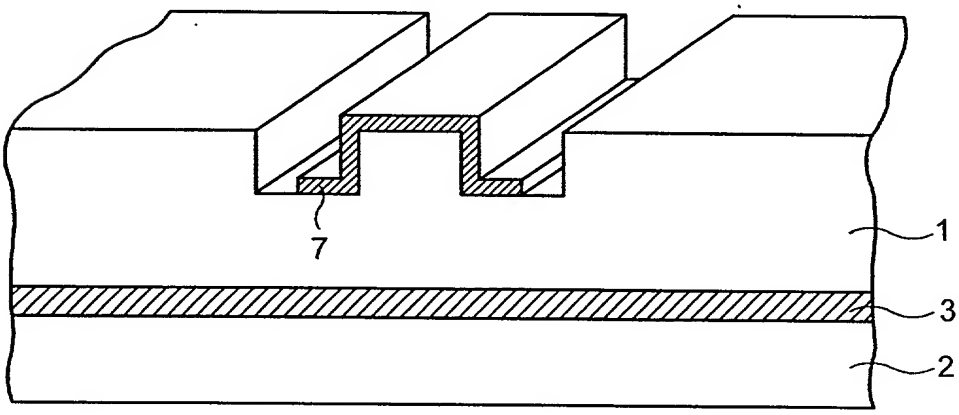

FIG. 4

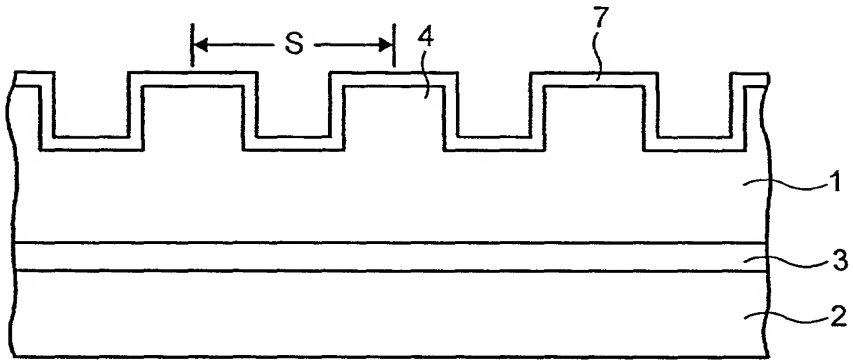

FIG. 5

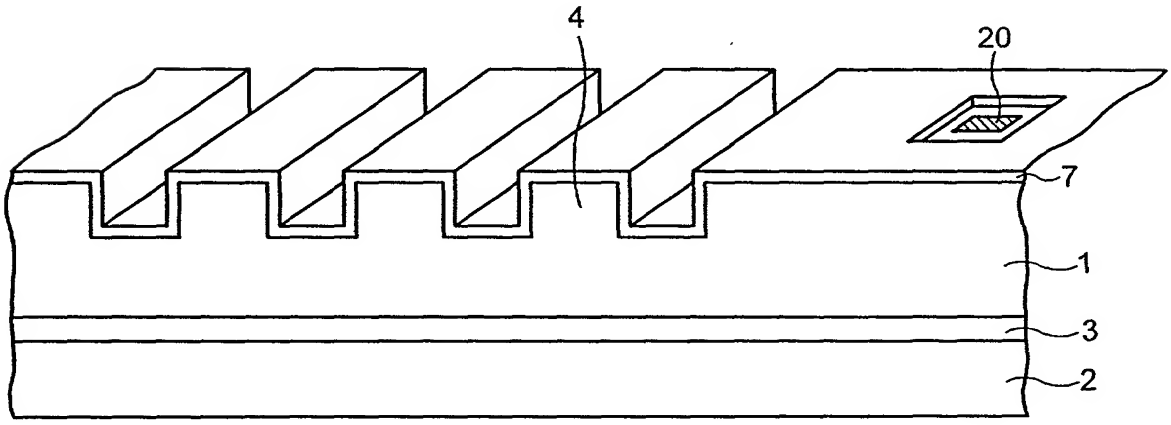

FIG. 5A

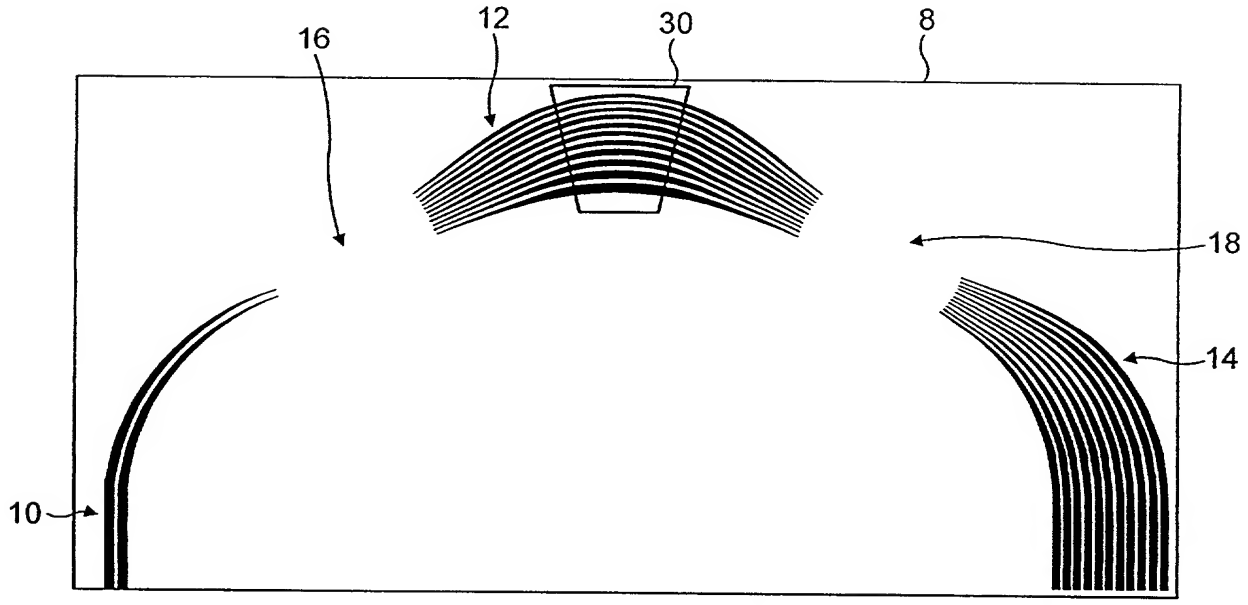
16
12
30
8
18
14
10

FIG. 6

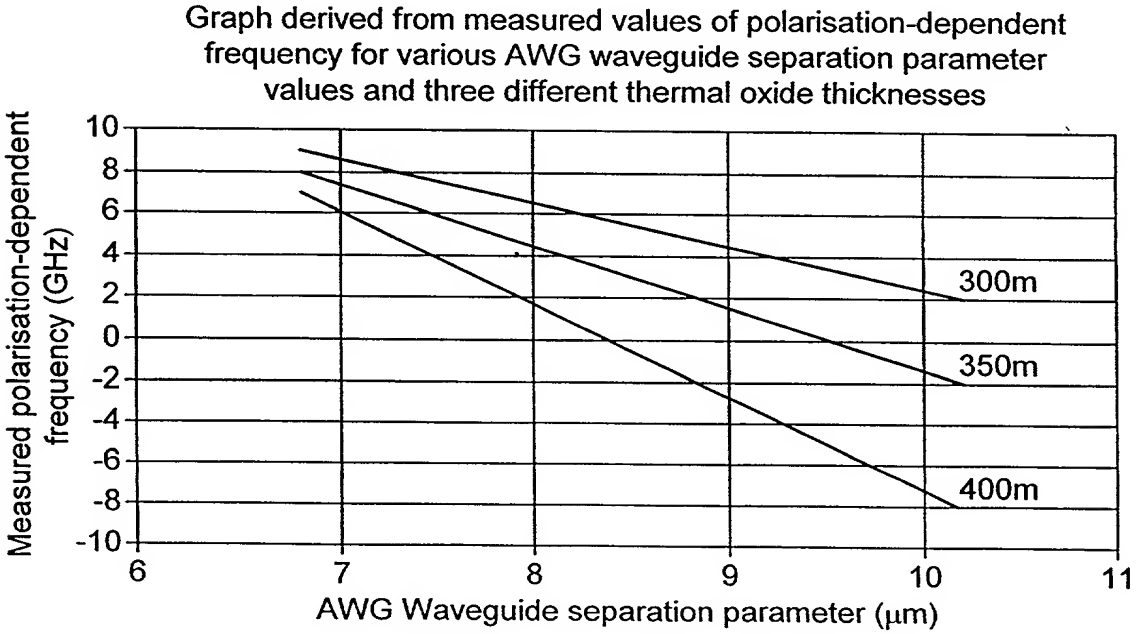
Graph derived from measured values of polarisation-dependent frequency for various AWG waveguide separation parameter values and three different thermal oxide thicknesses
Measured polarisation-dependent frequency (GHz)
10
8
6
4
2
0
-2
-4
-6
-8
-10
6
7
8
9
10
11
AWG Waveguide separation parameter (μm)
300m
350m
400m

FIG. 7

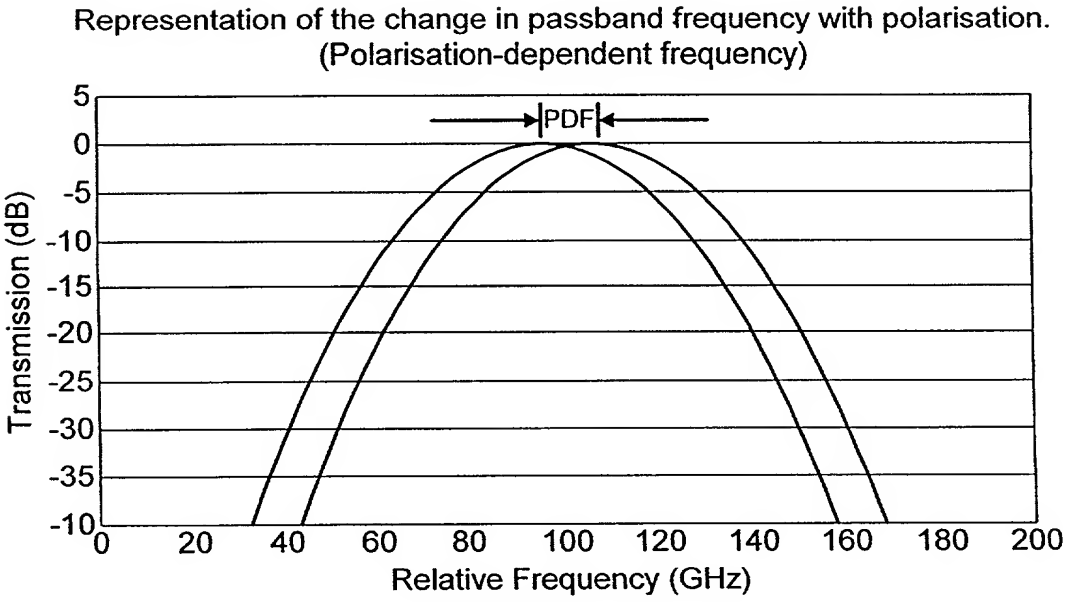
Representation of the change in passband frequency with polarisation.
(Polarisation-dependent frequency)
PDF
Transmission (dB)
5
0
-5
-10
-15
-20
-25
-30
-35
-10
0
20
40
60
80
100
120
140
160
180
200
Relative Frequency (GHz)

FIG. 8